

Prescott Park Arts Festival
Sound Level Monitoring Report
August 12th, 2018 – September 1st, 2018

Prepared by
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for
The City of Portsmouth, NH

Introduction

Reuter Associates, LLC is under contract with the City of Portsmouth, NH to provide monitoring of sound levels during events at the city-owned facility. The Prescott Park Arts Festival, a non-profit arts and education organization, presents musical theater, concerts, and other events throughout the summer season.

Background information related to the Sound Management Plan for Prescott Park and the monitoring protocol, including the initial monitoring report (covering the period of June 15th to July 14th, 2018) can be found on the City's website at (<http://cityofportsmouth.com/prescottpark/pppac.html>).

Event Data

The attached Appendix A provides plots of sound levels versus time from 6 pm to midnight for each night between August 12th and September 1st, 2018. Nights without events have been included for clarity and comparison.

Each plot presents data measured between 6 pm and 12 am. The lines plotted are both A-weighted sound pressure level in 1-minute intervals, as plotting six hours of data in 1-second intervals makes the plot difficult to interpret. The 1-second data are available for further analysis.

1-minute Leq – The Leq over the minute ending at the data point

Maximum 1-second Leq – The maximum 1-second Leq measured during this minute
Also included are lines indicating the yellow and red light thresholds.

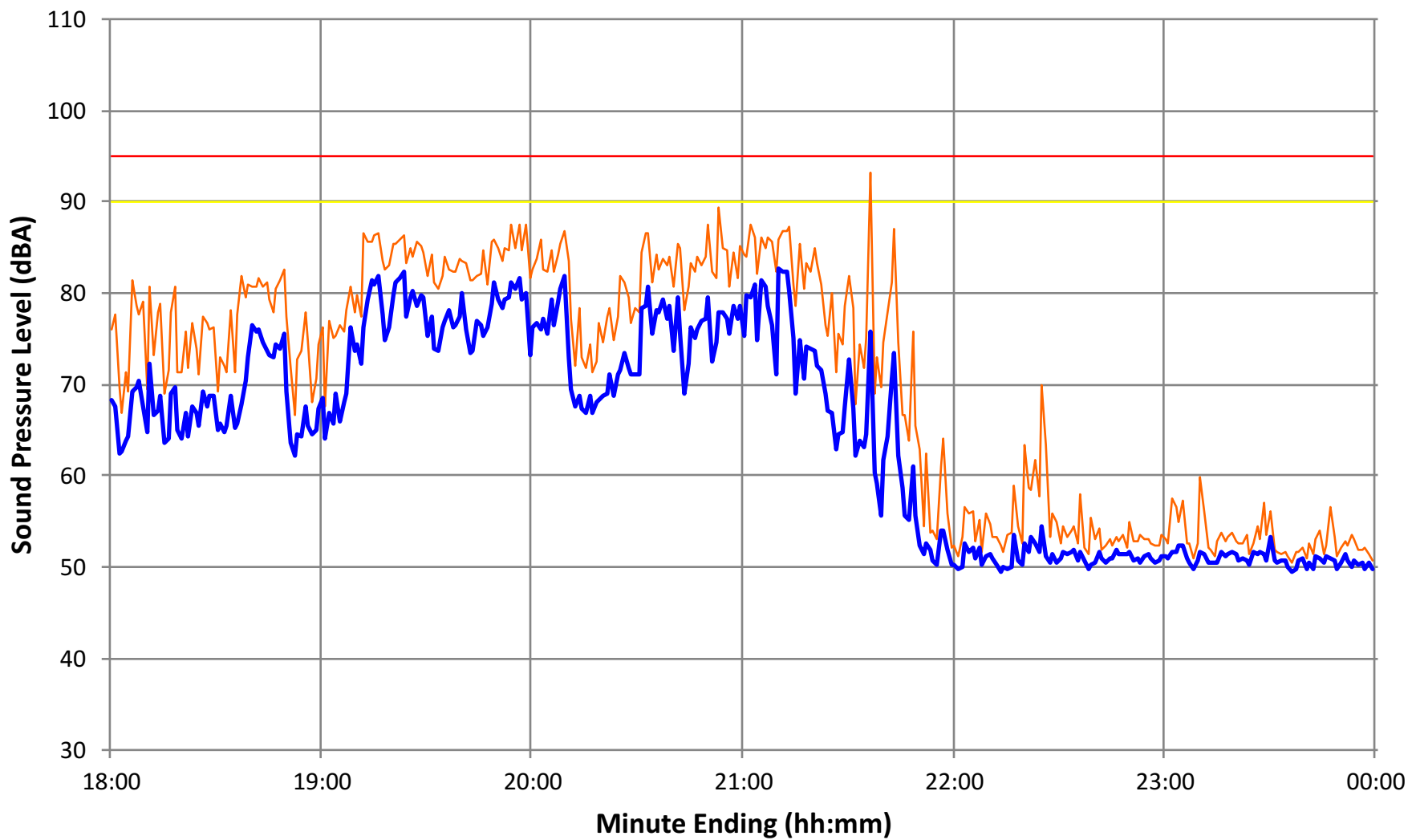
A detailed discussion of decibels, Leq, and other terminology is available in the initial report (covering the period between June 15th and July 28th, 2018).

Event Notes

Sound levels were consistently below 90 dBA for all shows during this time period.

Appendix A
Sound Monitor Data

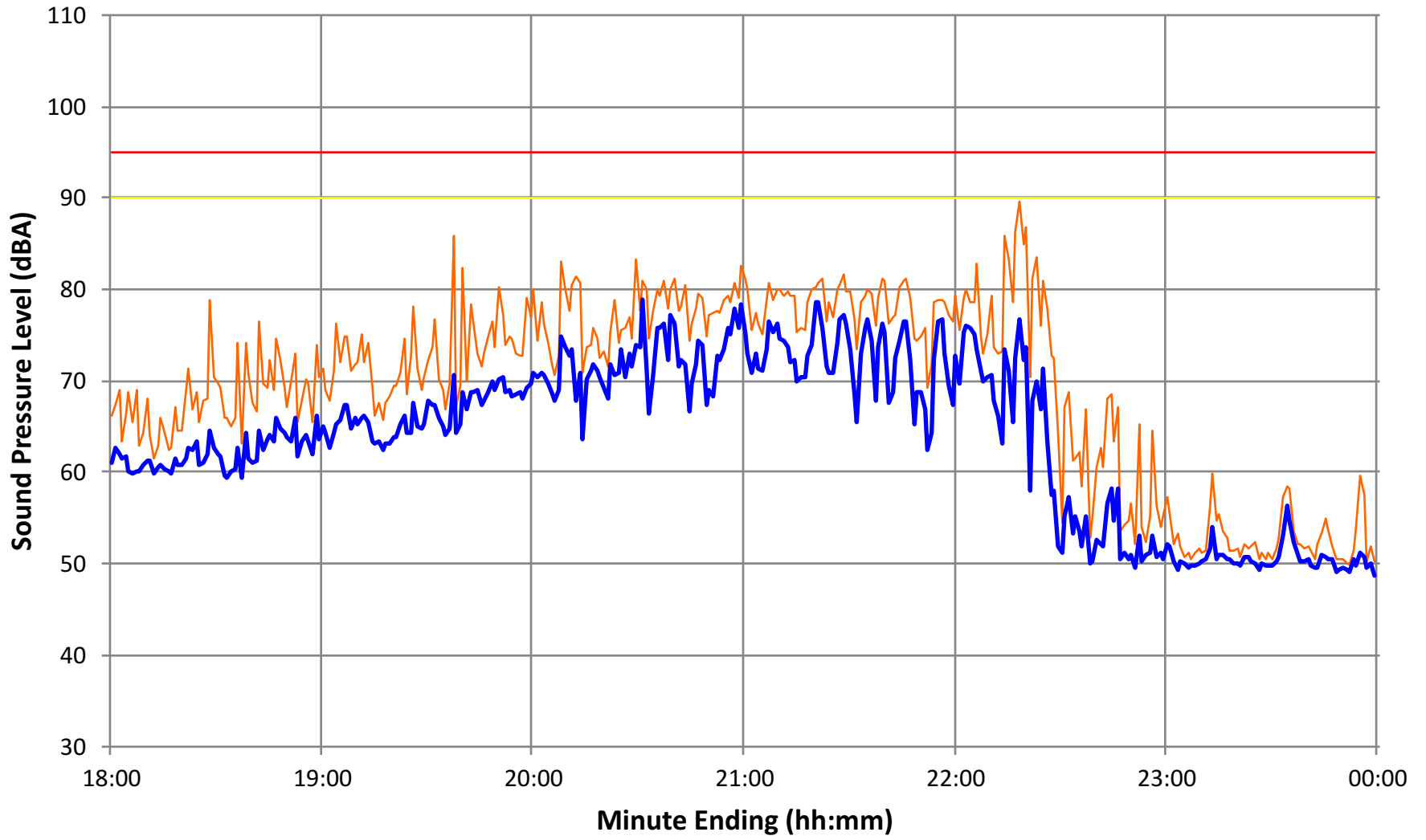
Seussical 08-12-2018



— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

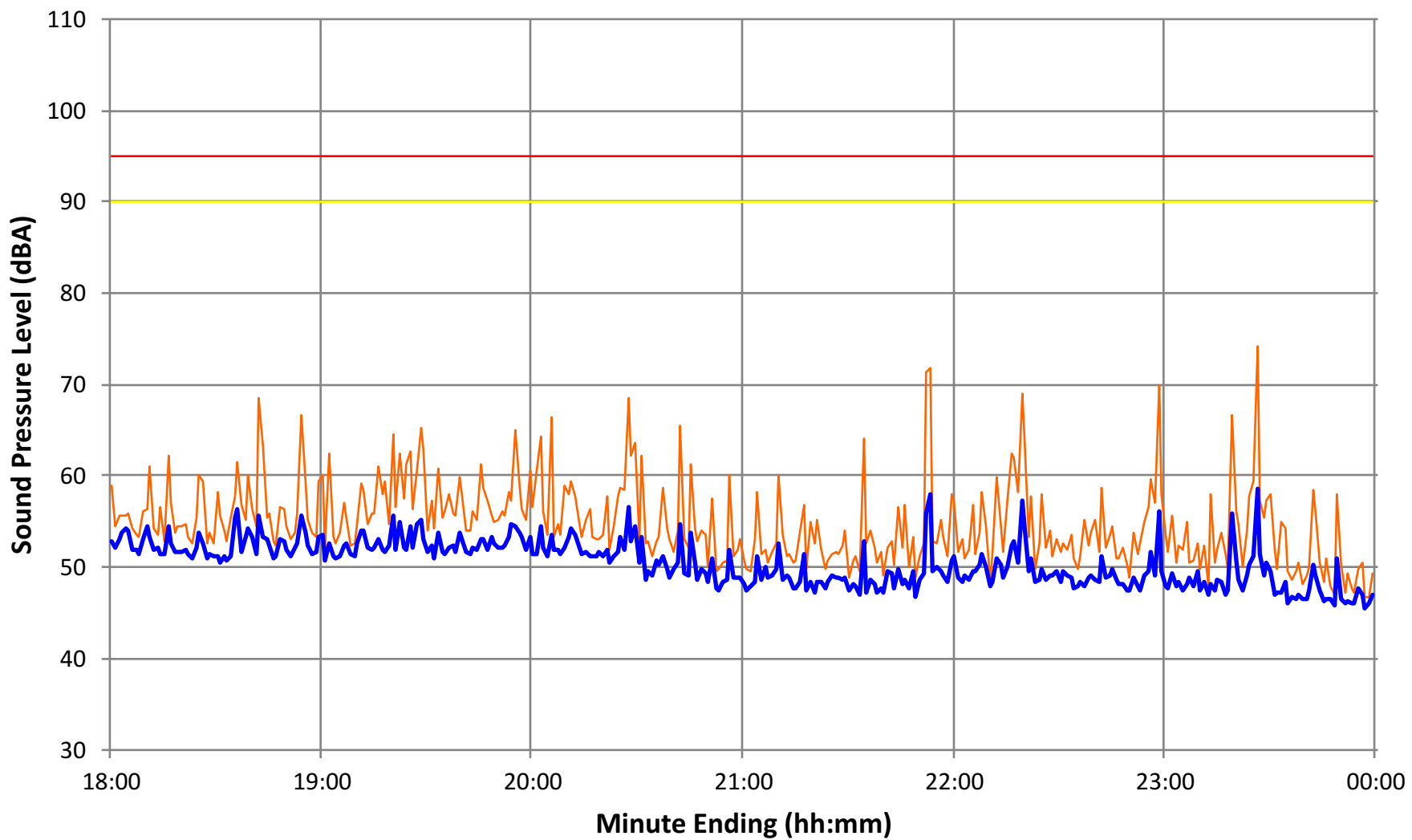
Movie (The Greatest Showman)

08-13-2018



Yellow Light Red Light Maximum 1-sec Leq 1-minute Leq

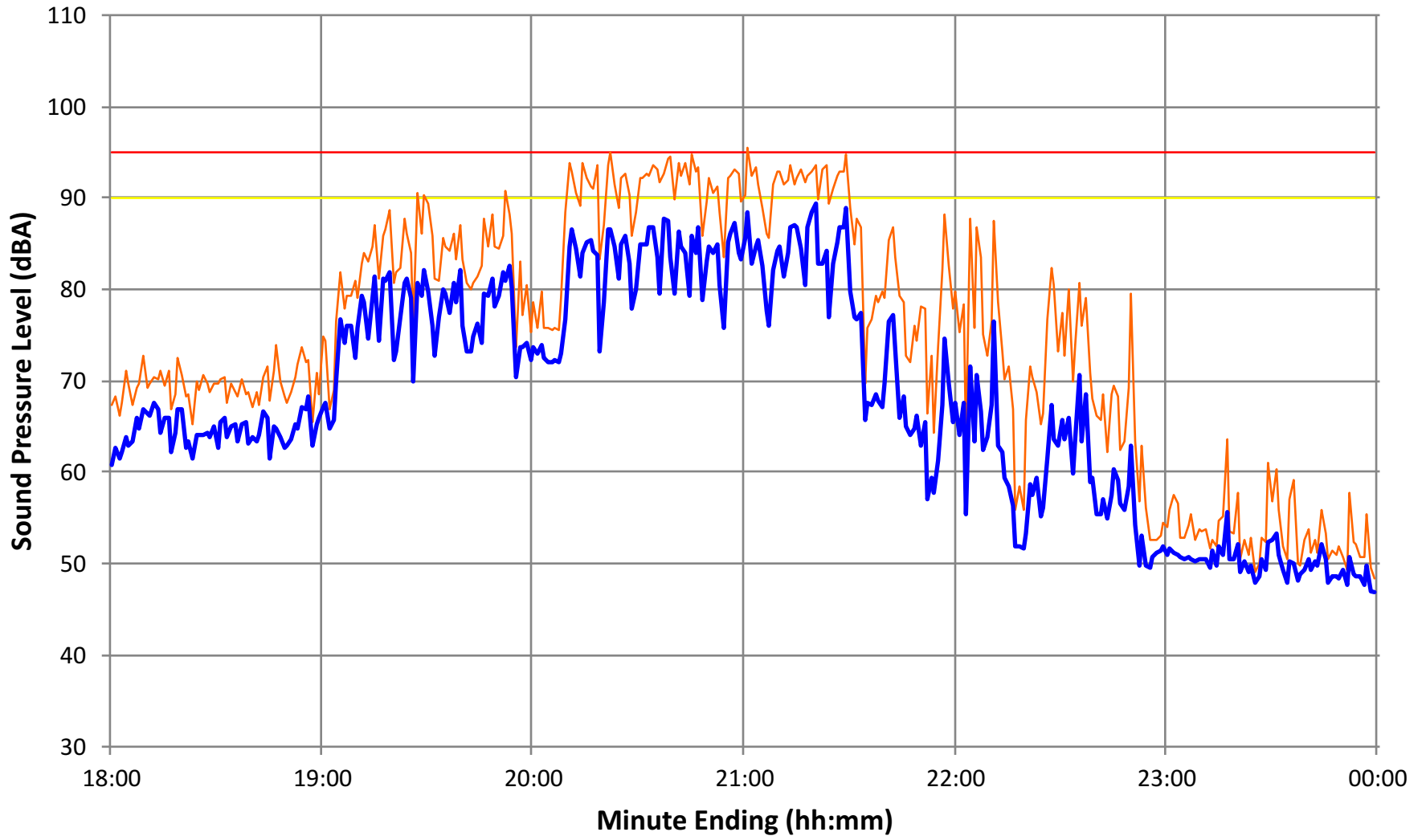
No Event 08-14-2018



— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

Mandolin Orange

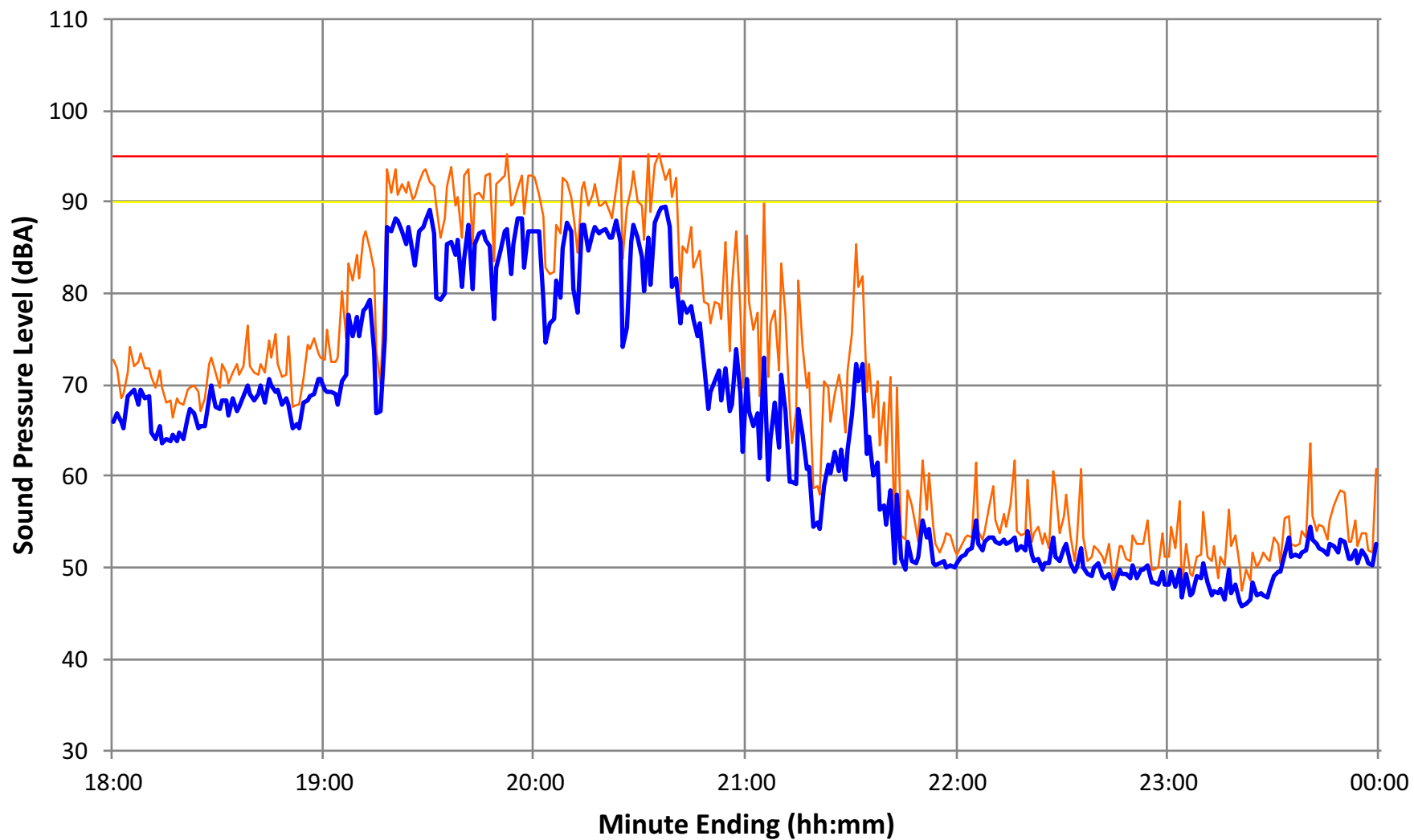
08-15-2018



Yellow Light Red Light Maximum 1-sec Leq 1-minute Leq

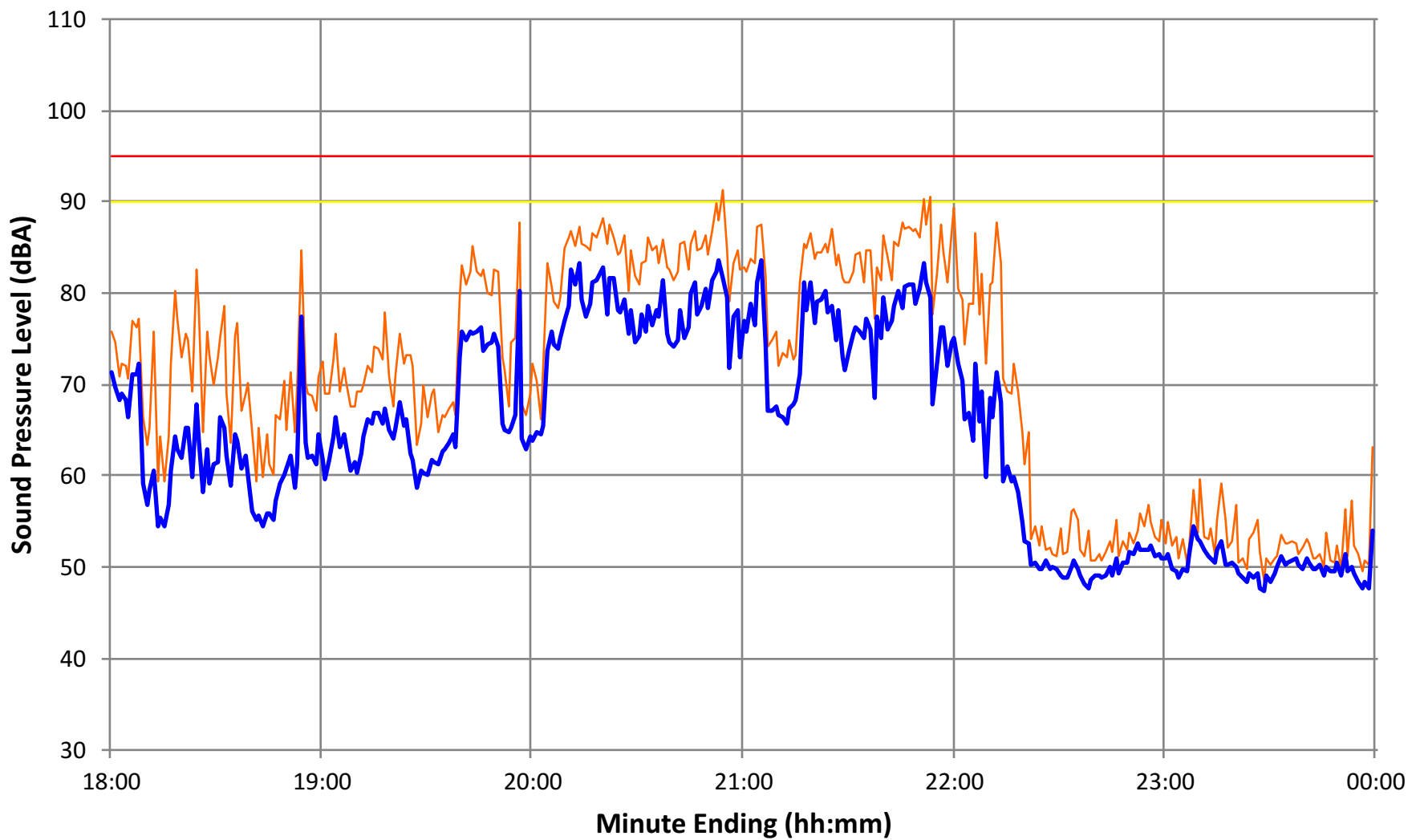
Mavis Staples

08-16-2018



Yellow Light Red Light Maximum 1-sec Leq 1-minute Leq

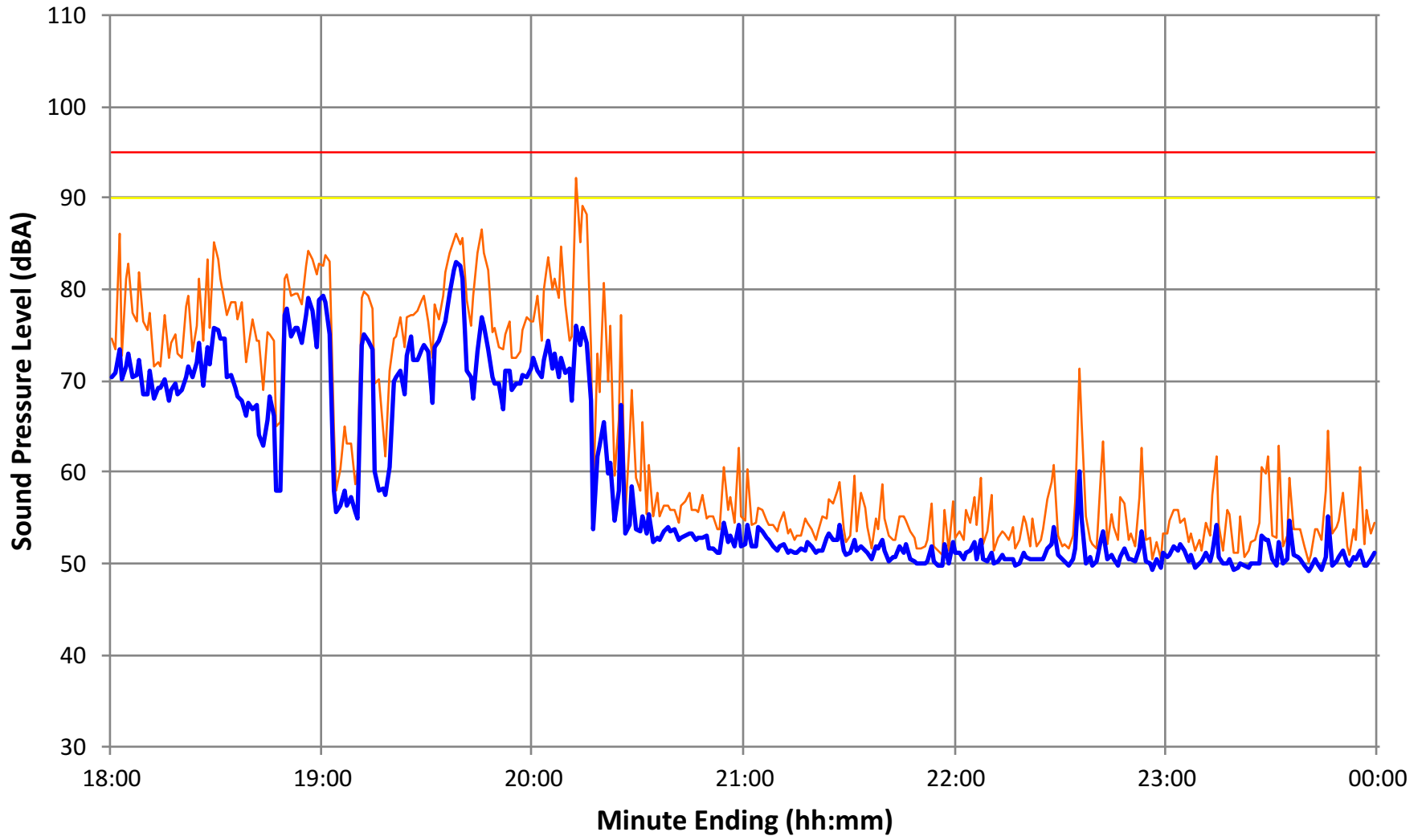
Seussical 08-17-2018



— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

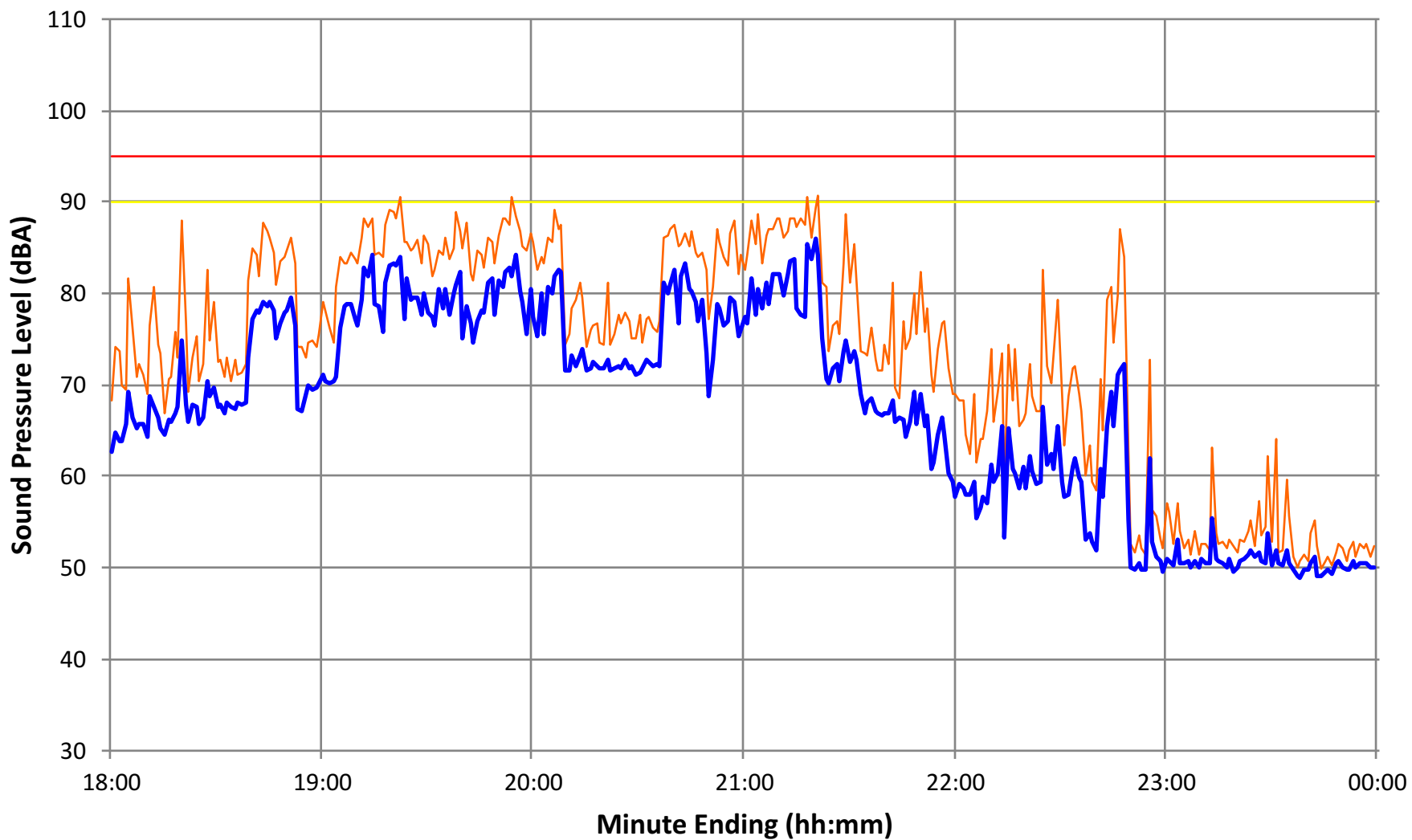
No Event (Weather)

08-18-2018



— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

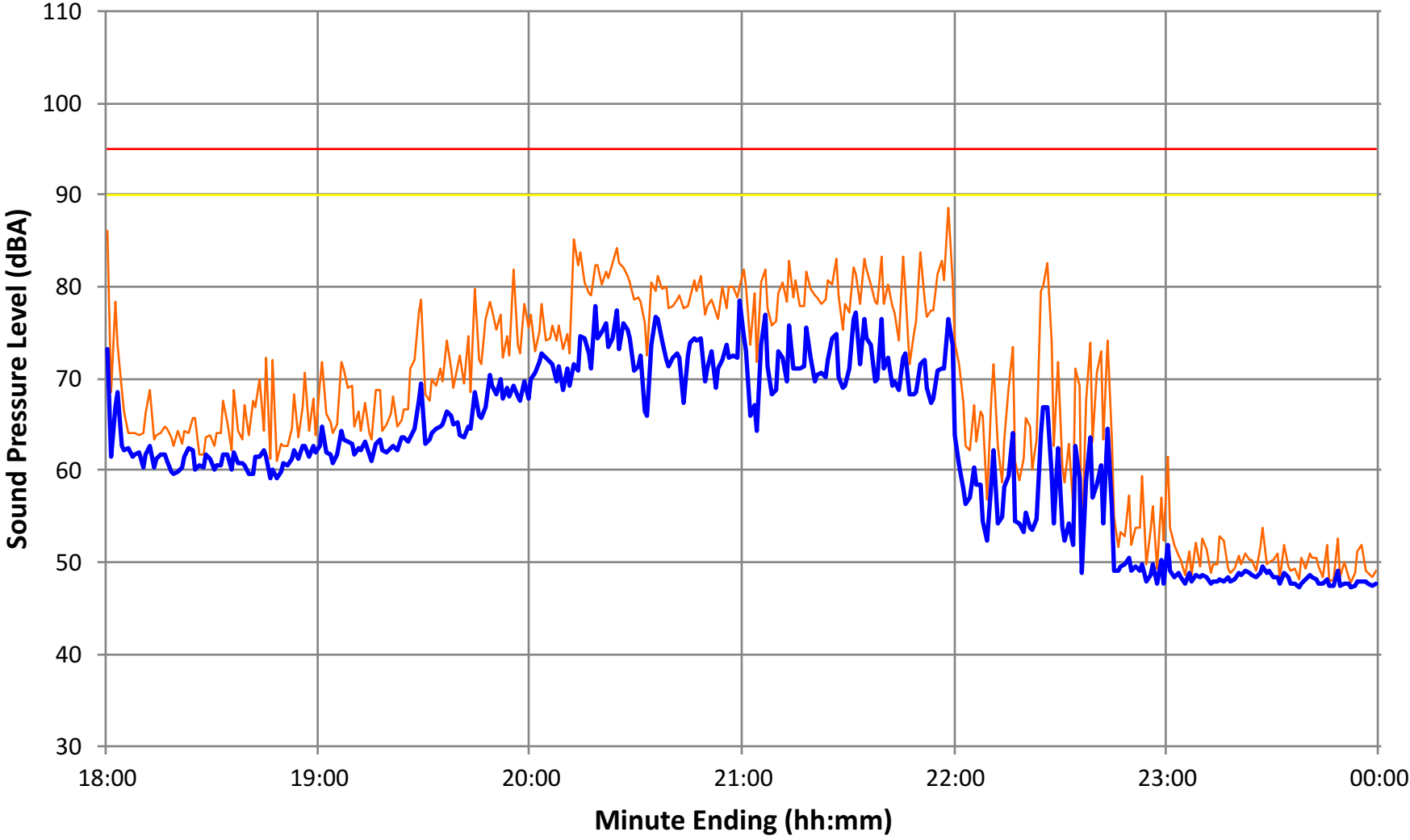
Seussical 08-19-2018



— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

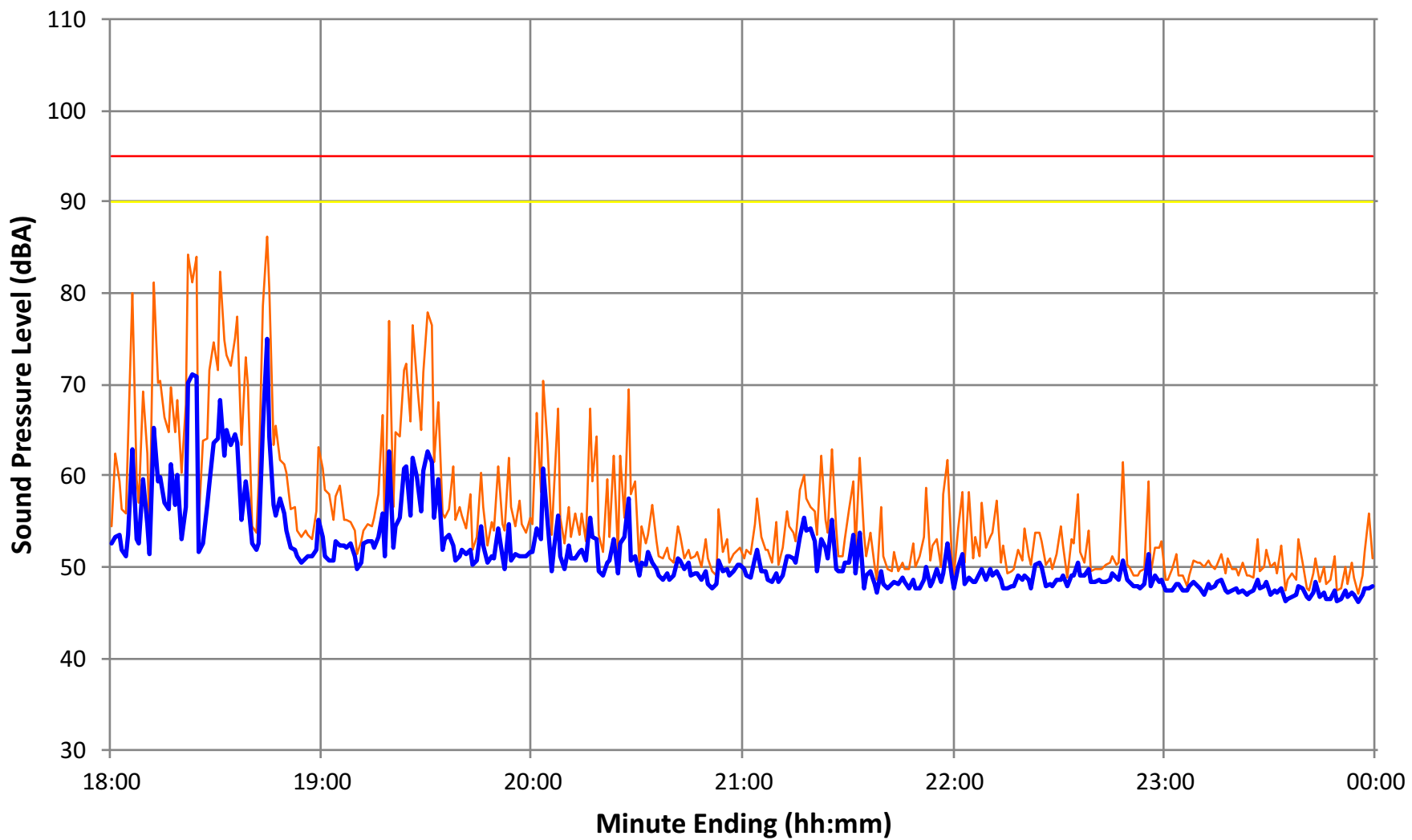
Film (The Princess Bride)

08-20-2018



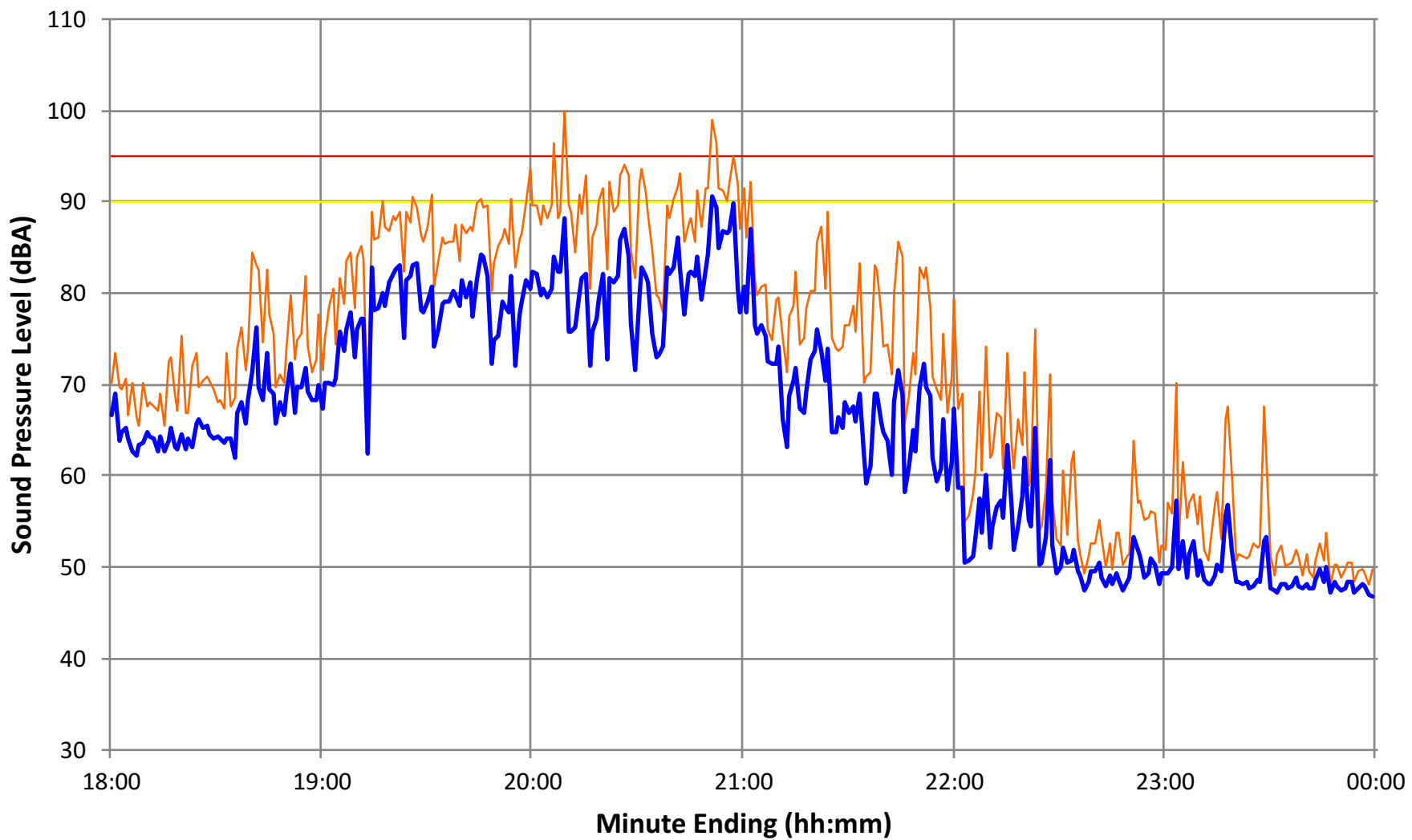
Yellow Light Red Light Maximum 1-sec Leq 1-minute Leq

No Event 08-21-2018



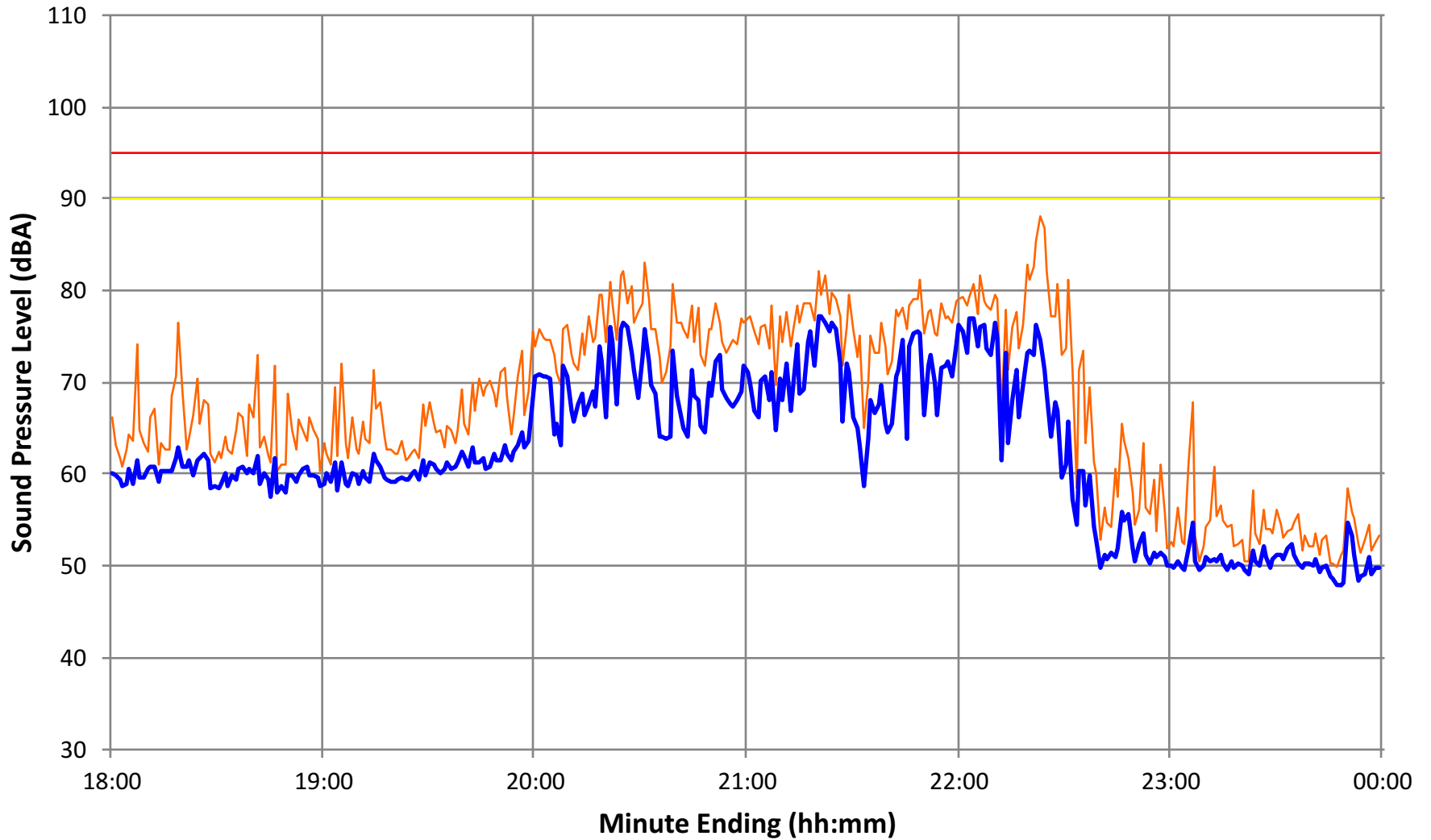
— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

Keb Mo 08-22-2018



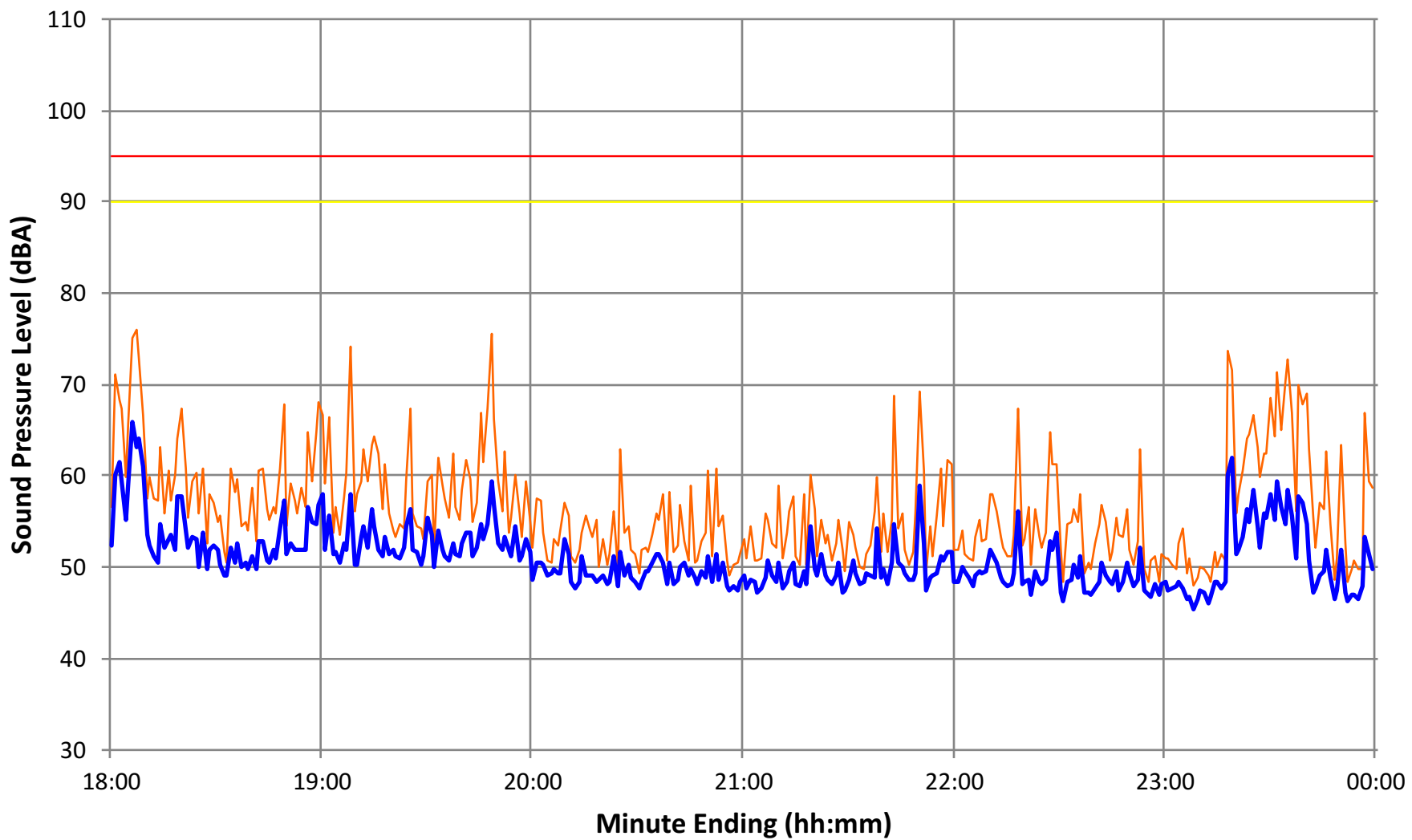
— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

Movie (Wonder Woman) 08-23-2018



— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

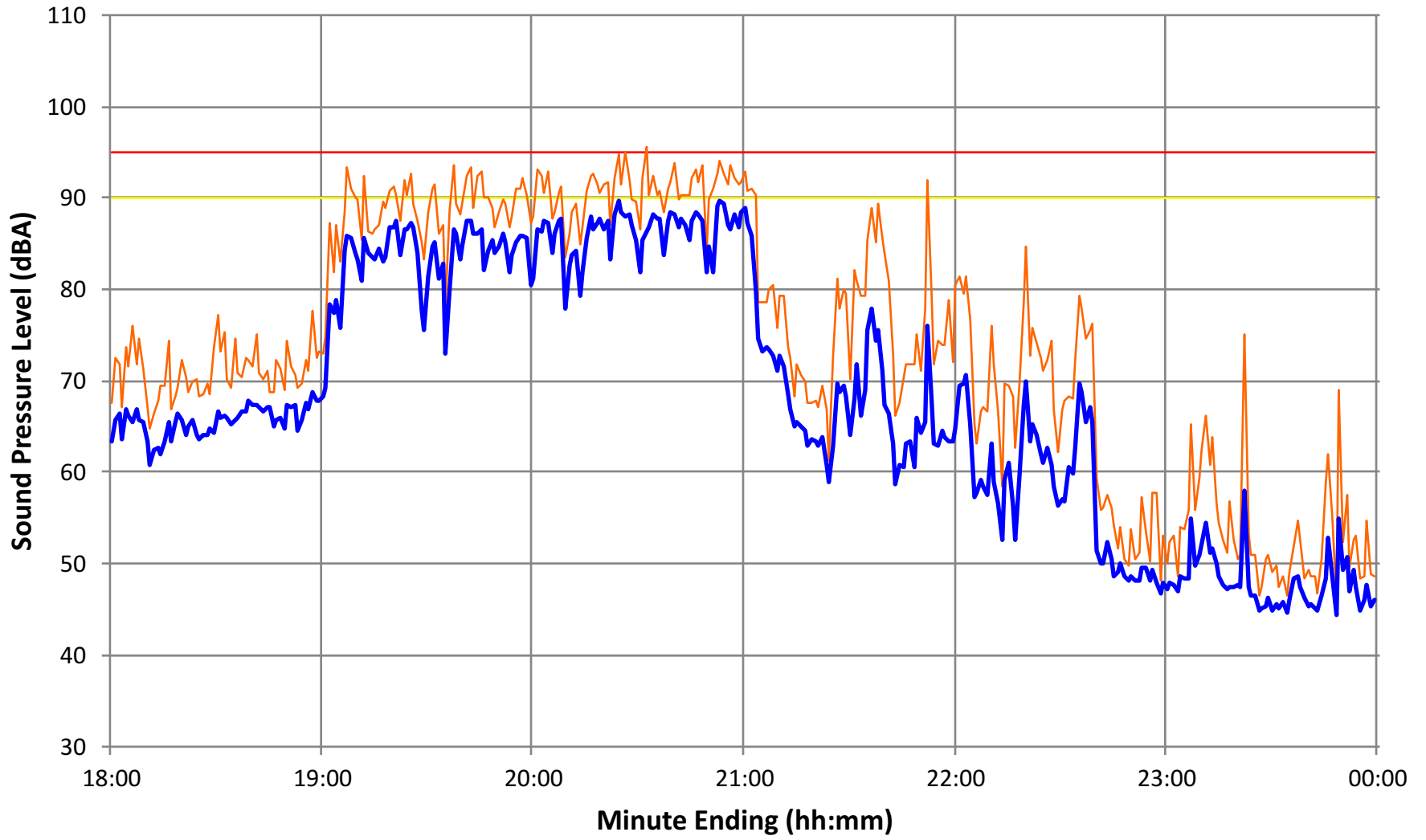
No Event 08-24-2018



— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

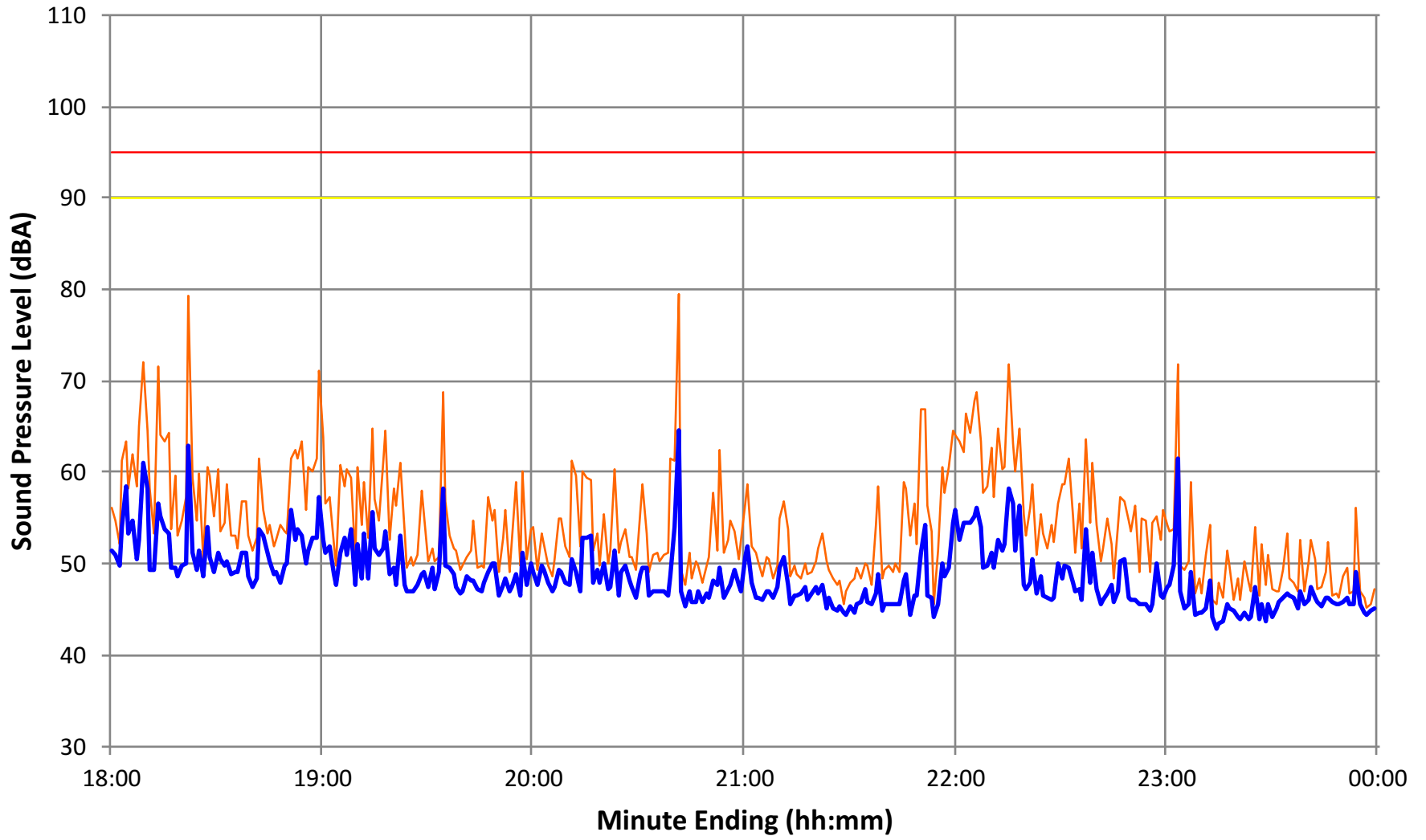
Railroad Earth

08-25-2018



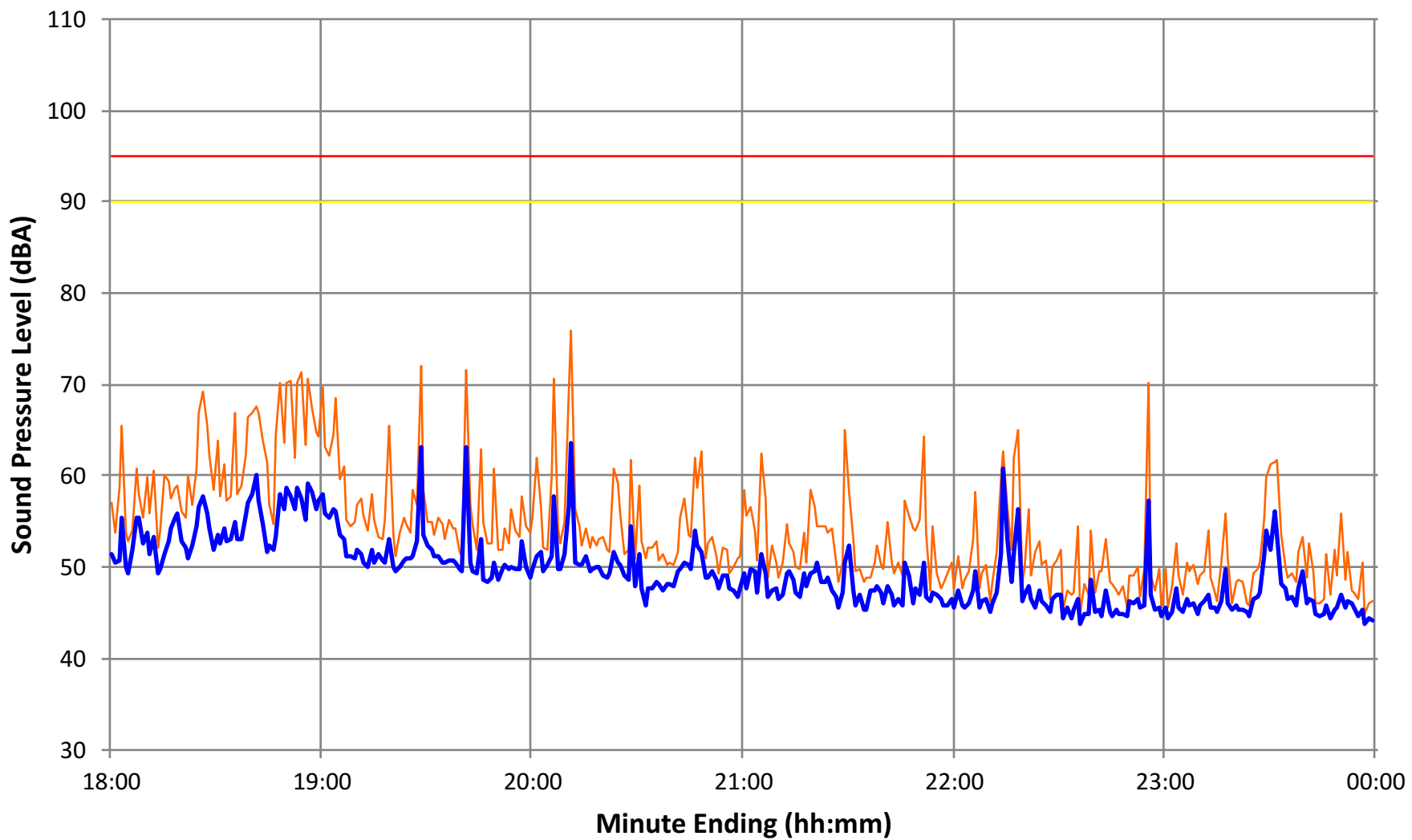
Yellow Light Red Light Maximum 1-sec Leq 1-minute Leq

No Event
08-26-2018



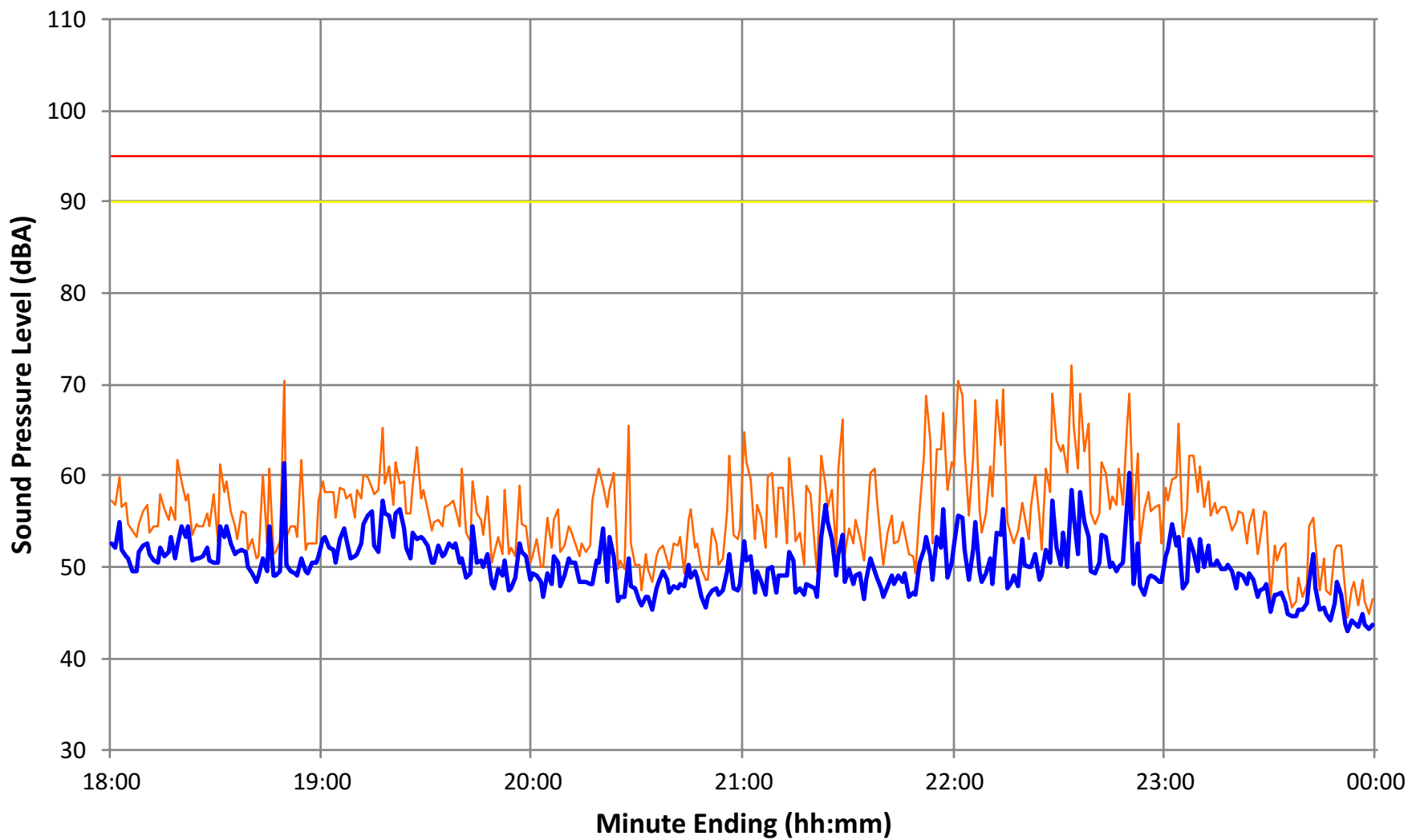
— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

No Event 08-27-2018



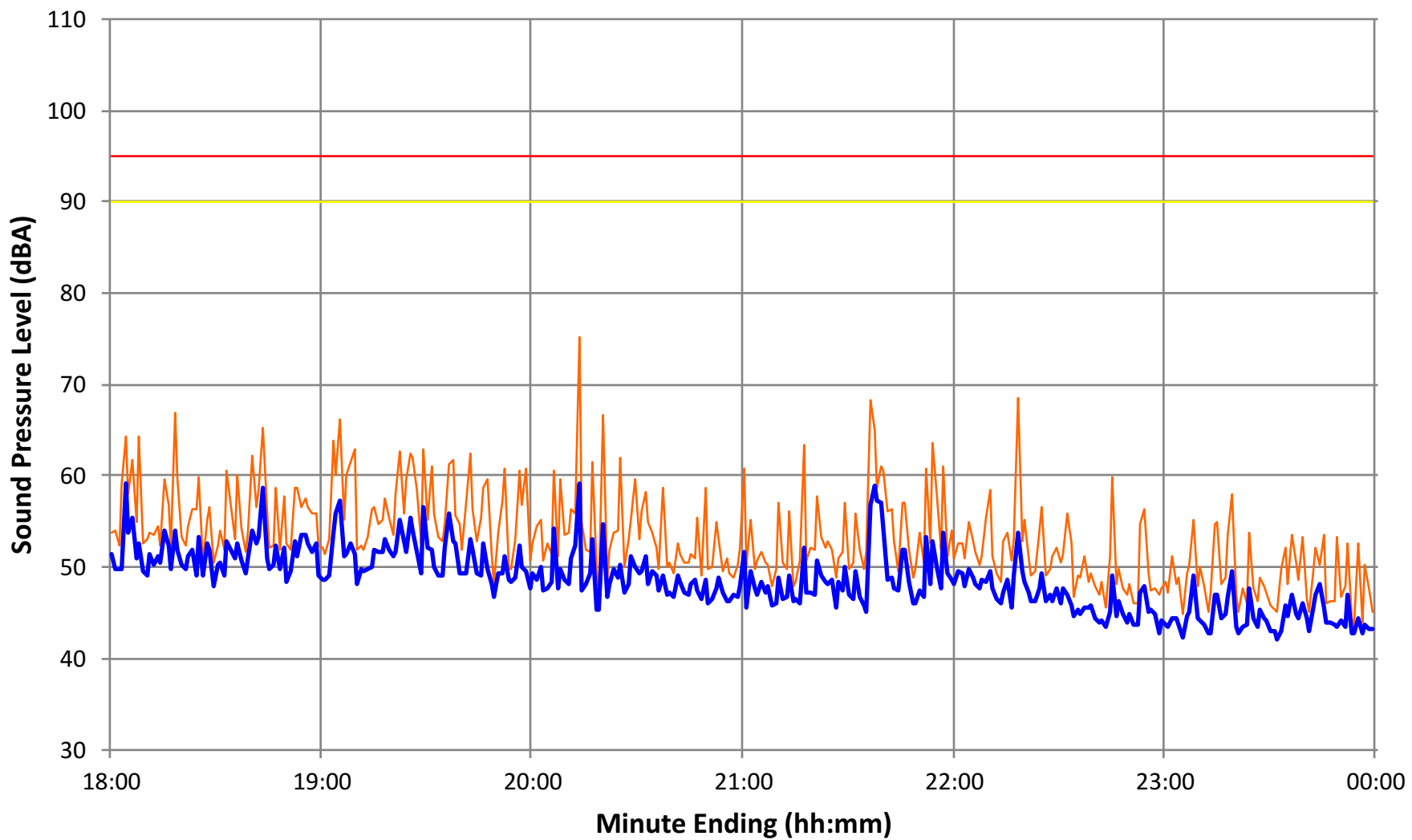
— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

No Event 08-28-2018



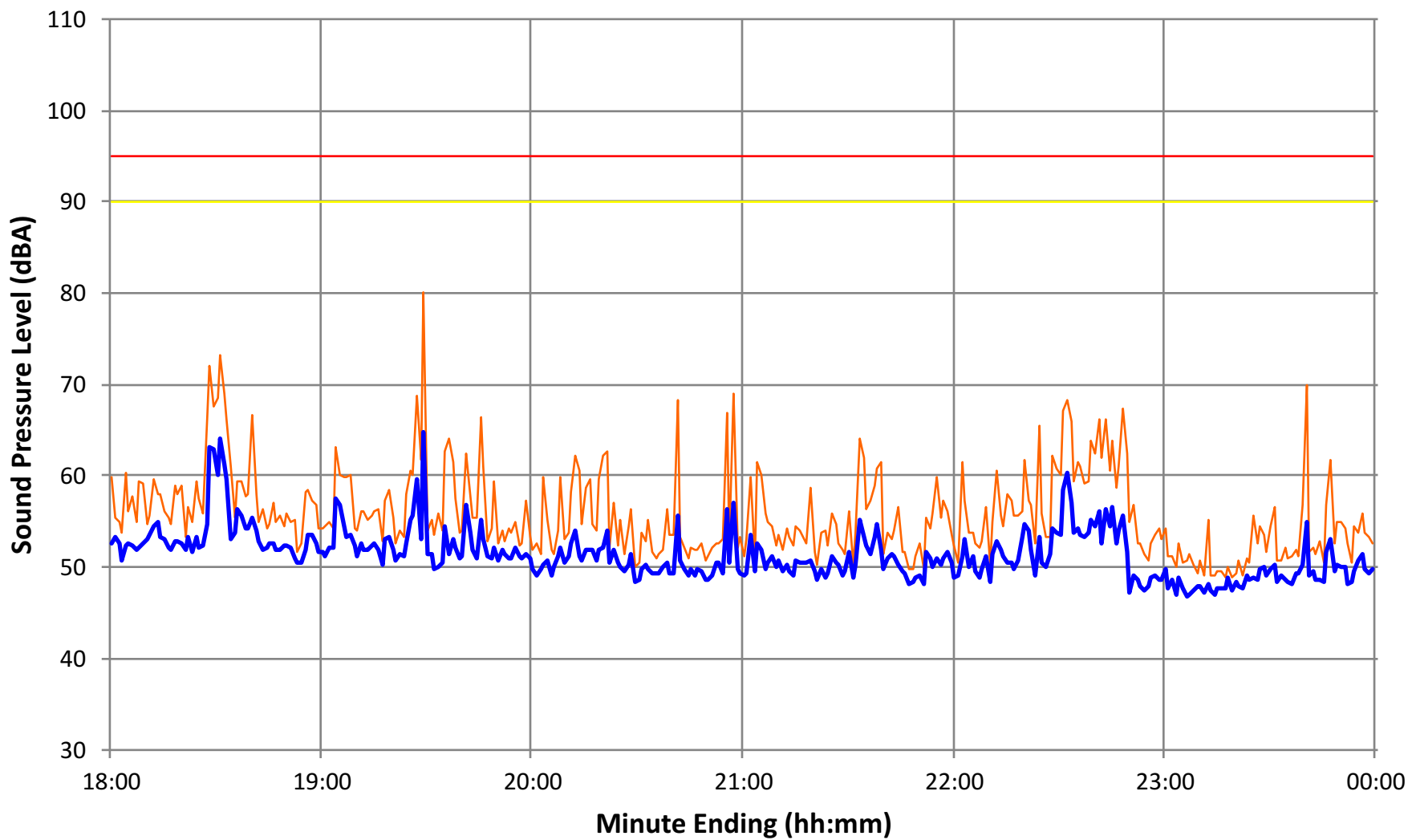
— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

No Event 08-29-2018



— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

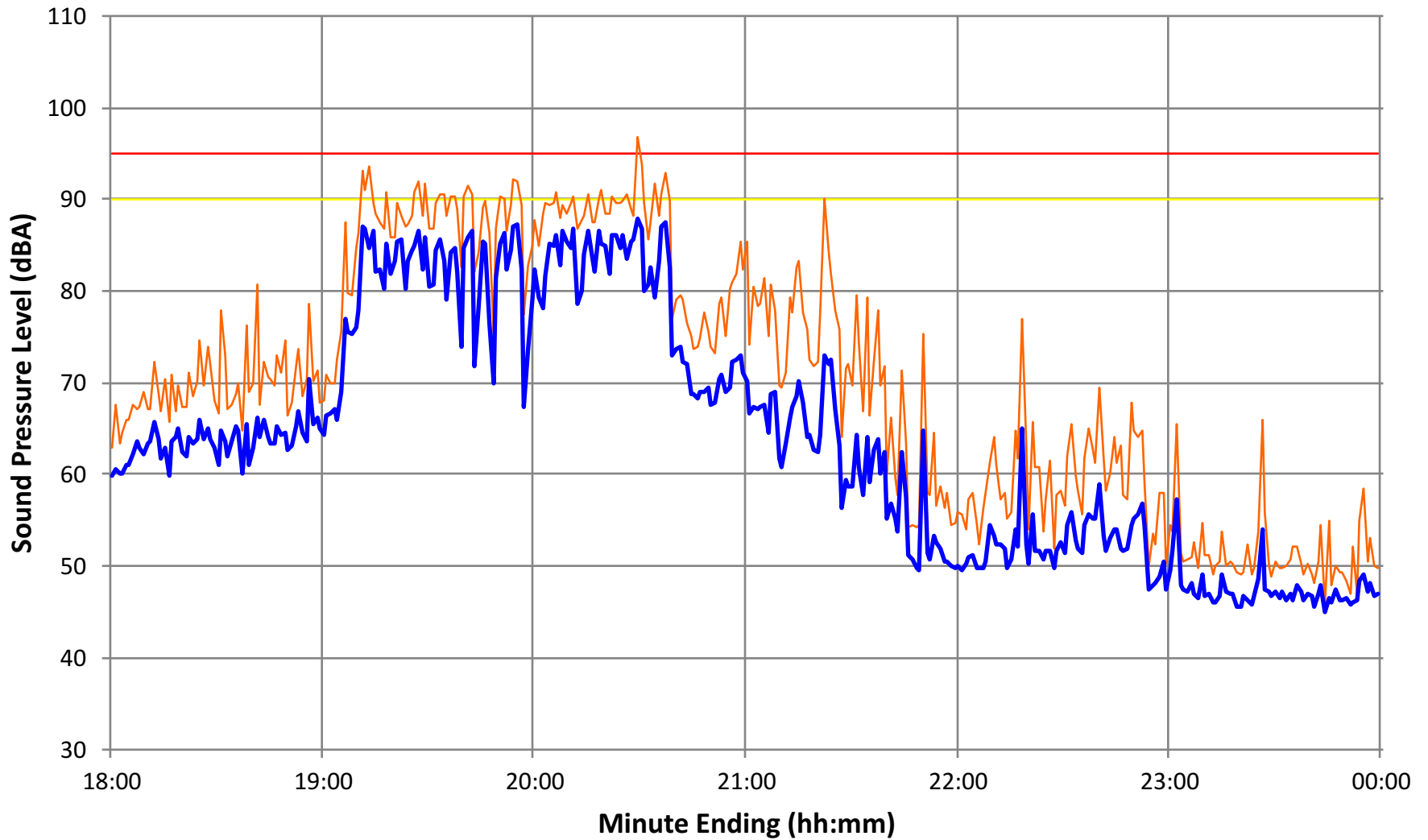
No Event 08-30-2018



— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

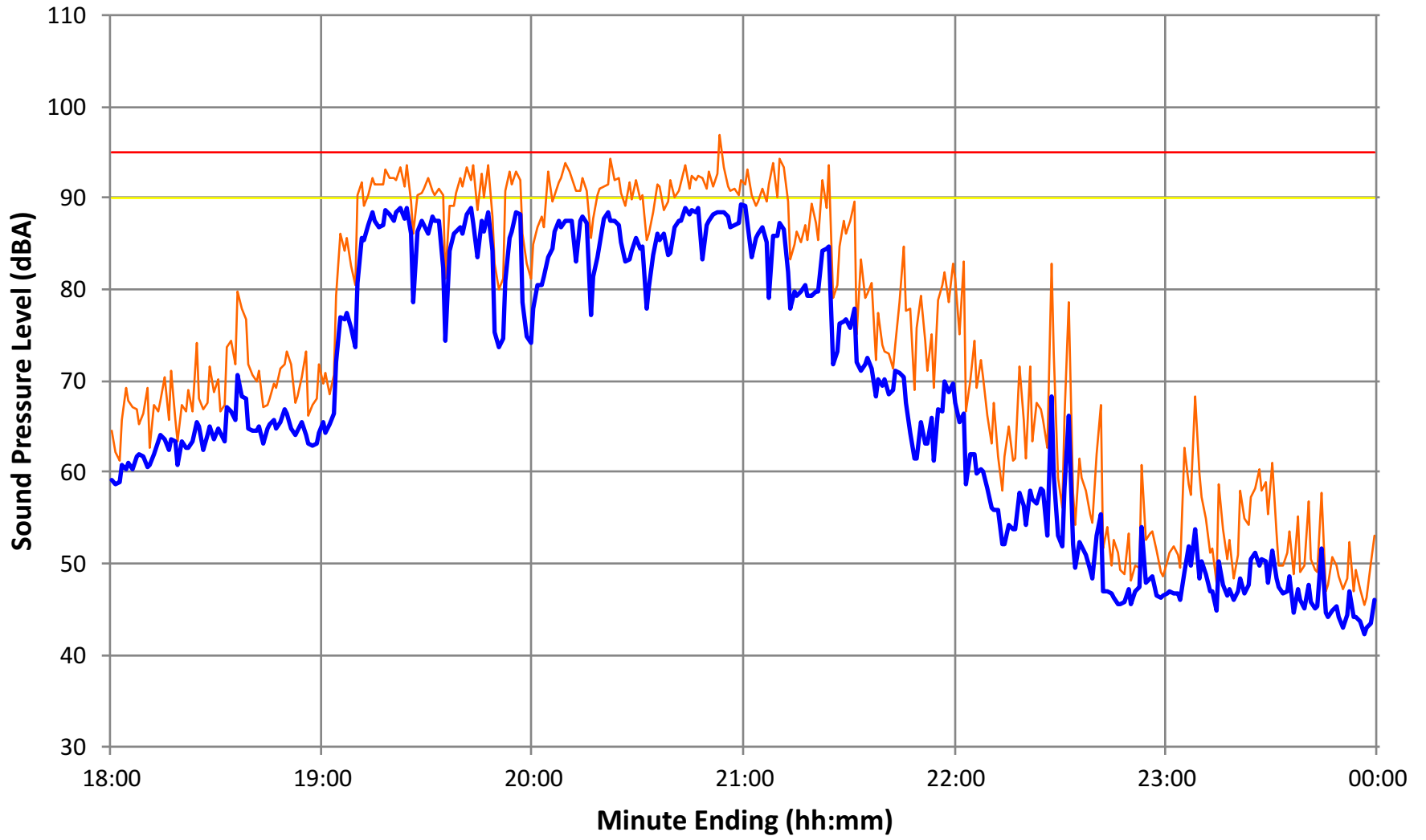
Shovels & Rope

08-31-2018



Yellow Light Red Light Maximum 1-sec Leq 1-minute Leq

Steve Earle
09-01-2018



Yellow Light Red Light Maximum 1-sec Leq 1-minute Leq